

What Is Claimed Is:

1. A data exchange system for exchanging data between two software systems running on a computer having an operating system for maintaining data consistency in a plurality of databases in said two software programs in real-time, said data exchange system comprising:

a first data-exchanging software system operating as an application software under the operating system of said computer and comprising an OS data synchronization module, an OS data exchange module, an OS exchange databank, and an OS typical-format databank; and

a second data-exchanging software system operating as an application software under said operating system of said computer and comprising an AP data synchronization module, an AP data exchange module, an AP exchange databank, and an AP standard-format databank; wherein

said OS data exchange module accesses information stored in said AP standard-format databank for comparison with information stored in said OS exchange databank, and said OS data synchronization module synchronizes said compared information designated by a user of said computer, and said AP data exchange module accesses information stored in said OS standard-format databank for comparison with information stored in said AP exchange databank, and said AP data synchronization module synchronizes said compared information designated by said user.

2. The data exchange system of claim 1, wherein said first data-exchanging software system further comprises an OS file access module, said OS data exchange module accessing said information stored in said AP standard-format databank by accessing said OS file access module for direct access into said AP standard-format databank.

3. The data exchange system of claim 1, wherein said second data-exchanging software system is a user-friendly application software system incorporating a plurality of simple interfaces for intuitive access by computer users.

4. The data exchange system of claim 3, wherein said second data-exchanging software system is a user-friendly One-Touch OS application software system for processing daily-life computer applications for computer users.

5. The data exchange system of claim 4, wherein said One-Touch OS application software system processes handy personal information including phone numbers and addresses.

6. The data exchange system of claim 4, wherein said One-Touch OS application software system takes notes.

7. The data exchange system of claim 4, wherein said One-Touch OS application software system provides communication services.

8. The data exchange system of claim 4, wherein said One-Touch OS application software system provides chatting service over the Internet.

9. The data exchange system of claim 4, wherein said One-Touch OS application software system provides access to the World Wide Web over Internet.

10. The data exchange system of claim 4, wherein said One-Touch OS application software system provides language tutoring to computer users.

11. The data exchange system of claim 4, wherein said One-Touch OS application software system provides typing tutoring to computer users.

12. The data exchange system of claim 4, wherein said One-Touch OS application software system provides game playing to computer users.

13. The data exchange system of claim 4, wherein said One-Touch OS application software system provides multimedia playback.

14. The data exchange system of claim 4, wherein said One-Touch OS application software system is capable of processing handy personal information including phone numbers and addresses, taking notes in texts and in drawings, providing communication services including telephone connections, facsimile transmissions and receptions, electronic mailing, chatting service over the Internet, accessing the World Wide Web over the Internet, providing language tutoring and typing tutoring to computer users, providing game play to computer users, and providing audio and video playback.

15. A data exchange system for exchanging data between two software systems running on a computer for maintaining data consistency in databases in said two software systems in real-time, said data exchange system comprising:

a first data-exchanging software system operating as an application software under the operating system of said computer and comprising an OS data synchronization module, an OS data exchange module, an OS file access module, an OS exchange databank, and an OS standard-format databank; and

a second data-exchanging software system operating as an application software under said operating system and comprising an AP data synchronization module, an AP data exchange module, an AP exchange databank, and an AP standard-format databank; wherein

said OS data exchange module accesses information stored in said AP standard-format databank for comparison with information stored in said OS exchange databank, said OS data exchange module accesses said information stored in said AP standard-format databank by accessing said OS file access module for direct access into the file system of said AP standard-format databank, and said OS data synchronization module synchronizes said compared information designated by a user of said computer, and said AP data exchange module accesses information stored in said OS standard-format databank for comparison with information stored in said AP exchange databank, and said AP data synchronization module synchronizing said compared information designated by said user.

16. The data exchange system of claim 15, wherein said second data-exchanging software system is an easy-to-use application software system incorporating simple interface for easy and intuitive access by computer users.

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17. In a data exchange system for exchanging data between two software systems running on a computer, said computer having an operating system for maintaining data consistency in a plurality of databases in said two software programs in real-time, and said data exchange system comprising a first and as
10 second data-exchanging software system wherein said first data-exchanging software system comprising an OS data synchronization module, an OS data exchange module, an OS exchange databank and an OS standard-format databank, and said second data-exchanging software system comprising an AP data synchronization module, an AP data exchange module, an AP exchange databank
15 and an AP standard-format databank, a method for exchanging data between two software systems of said data exchange system comprising the steps of:

said first data-exchanging software system operating as an application software under the operating system of said computer;

said second data-exchanging software system operating as an application
20 software under said operating system of said computer; and

said OS data exchange module accessing information stored in said AP standard-format databank for comparison with information stored in said OS exchange databank, and said OS data synchronization module synchronizing said compared information designated by a user of said computer, and said AP data
25 exchange module accessing information stored in said OS standard-format databank for comparison with information stored in said AP exchange databank, and said AP data synchronization module synchronizing said compared information designated by said user.

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18. The method for exchanging data of claim 17, wherein said OS data exchange module accessing said information stored in said AP standard-format databank by accessing said OS file access module for direct access into said AP

standard-format databank.

19. The method for exchanging data of claim 17, wherein said second data-exchanging software system is a user-friendly application software system incorporating a plurality of simple interfaces for intuitive access by computer users.

20. The method for exchanging data of claim 19, wherein said second data-exchanging software system is a user-friendly One-Touch OS application software system for processing daily-life computer applications for computer users.

21. The method for exchanging data of claim 19, wherein said One-Touch OS application software system processes handy personal information including phone numbers and addresses.

22. The method for exchanging data of claim 19, wherein said One-Touch OS application software system takes notes.

23. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides communication services.

24. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides chatting service over the Internet.

25. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides access to the World Wide Web over Internet.

26. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides language tutoring to computer users.

27. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides typing tutoring to computer users.

28. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides game playing to computer users.

5 29. The method for exchanging data of claim 19, wherein said One-Touch OS application software system provides multimedia playback.

 30. The method for exchanging data of claim 19, wherein said One-Touch OS application software system is capable of processing handy personal
10 information including phone numbers and addresses, taking notes in texts and in drawings, providing communication services including telephone connections, facsimile transmissions and receptions, electronic mailing, chatting service over the Internet, accessing the World Wide Web over the Internet, providing language tutoring and typing tutoring, providing game playing, and providing audio and
15 video playback.